

AMENDED IN SENATE JUNE 14, 2011

AMENDED IN ASSEMBLY MAY 27, 2011

AMENDED IN ASSEMBLY APRIL 27, 2011

CALIFORNIA LEGISLATURE—2011–12 REGULAR SESSION

**ASSEMBLY BILL**

**No. 306**

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**Introduced by Assembly Member Gatto  
(Coauthors: Assembly Members Blumenfield, Galgiani, Gordon,  
Nestande, Wagner, and Williams)**

February 9, 2011

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An act to add and repeal Section 25325 of the Public Resources Code, relating to energy.

LEGISLATIVE COUNSEL'S DIGEST

AB 306, as amended, Gatto. Energy: piezoelectric transducers: study. Existing law requires the State Energy Resources Conservation and Development Commission (Energy Commission), on a biennial basis beginning in 2003, to adopt an integrated energy policy report providing information on specified related to energy. Existing law creates the Public Interest Research, Development, and Demonstration Program, to be administered by the Energy Commission, and requires the Energy Commission to expend the moneys in the Public Interest Research, Development, and Demonstration Fund, upon appropriation by the Legislature, to implement that program.

This bill would ~~authorize~~ *require* the Energy Commission to conduct research on generating electricity using piezoelectric transducers under roadways or railways. The bill would require the Energy Commission to collaborate with the Department of Transportation to establish pilot projects that would employ piezoelectric-based ~~energy harvesting~~

*energy-harvesting* technology, if the Energy Commission determines that ~~doing so is appropriate~~ *the technology has the potential to generate electricity with performance, reliability, and cost projections that are comparable to existing renewable or emerging renewable energy sources.* The bill would authorize the Energy Commission to expend the moneys in the Public Interest Research, Development, and Demonstration Fund or the Energy Resources Program Account, upon appropriation by the Legislature, to implement this research. ~~If the~~ *The* Energy Commission ~~conducts the research,~~ it would be required to report its findings in the integrated energy policy report adopted in 2013. These provisions would be repealed on January 1, 2015.

Vote: majority. Appropriation: no. Fiscal committee: yes.  
State-mandated local program: no.

*The people of the State of California do enact as follows:*

- 1 SECTION 1. Section 25325 is added to the Public Resources
- 2 Code, to read:
- 3 25325. (a) The commission ~~may~~ *shall* conduct research on
- 4 generating electricity using piezoelectric technology under
- 5 roadways and railways pursuant to this chapter or Chapter 7
- 6 (commencing with Section 25600).
- 7 (b) For purposes of conducting the research ~~described~~ *required*
- 8 by this section, the commission shall collaborate with the
- 9 Department of Transportation to establish a pilot project or projects
- 10 that would employ piezoelectric-based ~~energy harvesting~~
- 11 *energy-harvesting* technology if the commission finds, based on
- 12 initial research, that ~~a pilot project is appropriate.~~ *the technology*
- 13 *has the potential to generate electricity with performance,*
- 14 *reliability, and cost projections that are comparable to existing*
- 15 *renewable or emerging renewable energy sources.*
- 16 (c) The commission may expend the moneys in the Public
- 17 Interest Research, Development, and Demonstration Fund
- 18 established pursuant to Section 384 of the Public Utilities Code
- 19 or the Energy Resources Program Account established pursuant
- 20 to Section 25801, upon appropriation by the Legislature, to
- 21 implement this section.
- 22 (d) As a part of the integrated energy policy report that is
- 23 adopted in 2013, the commission shall report the findings of the

1 ~~research, if the commission conducted the research~~ *performed*  
2 pursuant to subdivision (a).

3 (e) This section shall remain in effect only until January 1, 2015,  
4 and as of that date is repealed, unless a later enacted statute, that  
5 is enacted before January 1, 2015, deletes or extends that date.

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